Work Order ID 107311
September-23-13 11:47:42 AM

B 1 0 7 3 1 1

107311

Page 1

Revision ID:	D4002-041			Accept	*N900	040	100)* s	etup Star	I VI	S1*
Item Name:	Aux Tank Drai	in Hose Assy, Fwd							Sto	P *N;	S2*
Start Date:	9/23/13	Start Qty: 2.00	*2*	·	Cust Item I	D:					
Required Date:	9/23/13	Req'd Qty: 2.00	*2*		Customer:				\		
Reference:			_						·		
Approvals:	Process Pla	n:	Date: 13-09-75	Tooling:	Da	nte:		R	un Star Sto	1/1	R1*
	QC:		Date:	_ SPC (Y/N):	Da	ate:			500	* *N	R2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr					1				
D4002	D										
100			_	0.00				(0		\sim
100 Purchasing		Мето	21521	0.00				$\mathcal{C}\mathcal{Z}$	(13)	10/2	
Purchasing		Purchase p Part #:156 Possible S	art as per Dwg D4002 001-3S-0185 1pplier: Aviall / API llease note required								
110		Receive & Inspect for I	Damage & Mat'l Certs	0.00							
110 Packaging		Memo		0.00				11	3/1/1	(3)	

									DQA:	Date:	
NCR: Yes	s / No				WORK ORDER NON-C	CONFORI	MANCE / UF		QA Closed:	Date:	
Work Order:					DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
					Rework	1	Skid-tube	Crosstube		Water Jet	Engineering
Part No					Scrap		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
					Use-as-is	Therr	moforming	Finishing	Rec/Sto	re/Packaging	Other
NCR No)				Work Order Update] [Large Fab	Composite		Supplier	
		·									
Root				Descri	ption of work order update	Initial	A	ction	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data											

Other Process Supplier Training Unapproved **FAULT CATEGORY Landing Gear** General Bending Bend Grain Ovalized Pressure/Forced Centre Not Concentric to O/S BOM/Route Over/Under tolerance Temperature/Cure Hardware Broken/Damaged Inspection incomplete Cracks Part Incorrect Weld Crushed/Crimped Instructions Incomplete/Unclear Wrong Stock Pulled Burrs Part Lost/Missing Cuffs Contamination Maintenance Part Moved Heat Treat Countersink Mislabeled Positioned Wrong Inspection Strip in Tube Misread Power Loss/Surge Other Cut Too Short Ripples in Bend Drill Holes Offset Out of Calibration Torque Waves in Extrusion Drawing

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish Folio

Equip/Tooling Operator Material Setup

	ler ID 107 13 11:47:42 Al			*	1073				Page 2			
Item ID: Revision ID:	D4002-041			Accept	*	N 900	040	100)* s	Setup Star	* *N	S1*
Item Name:	Aux Tank Drai	in Hose Assy, Fwd								Sto	*N	S2*
Start Date:	9/23/13	Start Qty: 2.00	*2*			Cust Item I	D:					
Required Date	e: 9/23/13	Req'd Qty: 2.00	*2*			Customer:						
Reference:								_	ī	Run Sta	rt J. N. I	D 4 #
Approvals:	Process Pla	n:	Date:	Tooling	g:	D a	ate:				1/1	R1*
	QC:		Date:	_ SPC (Y	/N):	D	ate:			Sto	*N	R2*
Sequence ID/ Work Center	ID	Operation Description		Set U Run	Jp/ Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120		QC6- Inspect dimension	ns to drawing	0.00	DAO				$\hat{}$			
120		Memo		0.00	DAS 27 9-89				2			
Quality Control					1510-7							
121				0.00					0 -			11
121									X			13/11/21 DAS
Small Fab		Memo		0.00					- •			9-89
Small Fab			le fitting, o-ring and valve a abel as per dwg	as per dwg D4	1002							
122		QC5-Inspect part com	pleteness to step on W/O	0.00					_			
122					DAS				\mathcal{L}		_	
QC		Memo		0.00	27							
Quality Control					9-8 9							
					Blila	1]						

NCR:	Yes	/ No				WORK ORDER NON	-CO	NFORM	MANCE / UPE	DATE			
		-							•		QA Closed:	Dat	te:
Work Orde	er:					DISPOSITION				AGAINST DI	EPARTMENT	/PROCESS	
Part I						Rework Skid-tube Machining Use-as-is Thermoforming Large Fab			Machining noforming	Crosstube Small Fab Finishing Composite	Il Fab Prod. Eng. Coor. Q shing Rec/Store/Packaging		
Root					Descri	ption of work order update		Initial	Acti	on	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	C	hief Eng	Descri	iption	Date	Verification	n QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved							FAU	LT CATE	GORY				
Landi	ng (ear			-	General						_	
		Bending Centre No Cracks Crushed/ Cuffs Heat Trea Inspectio Ripples in	Crimped at n Strip in)/S	Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes		-	on Incomplete ions Incomplete/U nance led	Inclear	Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned V Power Loss/	ct issing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other
		Torque M		Extrusion	, <u> </u>	Drawing		-	Calibration				

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

Wave/Twist in Tube

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Ord September-23-1				*107					Page 3				
Item ID: Revision ID:	D4002-041	ain Hose Assy, Fwd		Accept	*N900	040	100)*	Setup	Start Stop	1 7	S1*	_
Start Date: Required Date: Reference:	9/23/13	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:					IVI	5 /	
Approvals:	Process Pl QC:	an:	Date:	Tooling:		nte:			Run	Start Stop	1/1	R1* R2*	
Sequence ID/ Work Center I 130 *130* Packaging	D	Operation Description Identify as per dwg & Sto	ock Location:	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accep Qty	t Ro Q	eject ty	Reject Number	Insp. Stamp DAS 26 9-89	-)
Packaging 140 *140* QC Quality Control		QC21- Final Inspection -	Work Order Release	0.00 0.00						13	11/2	71]	_

										DQA:	Date:	* ,
NCR: Y	es / No				WORK ORDER NON-	-CON	IFORI	MANCE / UP	DATE	OA Classel		
						-				QA Closed:	Date:	``.
Work Orde	r:				DISPOSITION	ı			AGAINST DE	PARTMENT	/PROCESS	
Part N					1 1			Skid-tube Machining noforming	Crosstube Small Fab Finishing	-1	Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other
NCR N	0				Work Order Update]		Large Fab	Composite]	Supplier	
Root			·	Desci	ription of work order update	lr	nitial	Ac	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chi	ef Eng	Desc	ription	Date	Verification	QC Inspector
Ooc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training												
Jnapproved		<u>l</u>										
···-						FAUL	T CATE	GORY				
Landin				_	General .	1				_		7
-	Bending Centre No	ot Concer	ntric to C)/S	Bend BOM/Route		Grain Hardwa			Ovalized Over/Under		Pressure/Forced Temperature/Cure
}	Cracks			 	Broken/Damaged	_	-	ion Incomplete		Part Incorre		Weld
-	Crushed/	Crimped			Burrs			ions Incomplete/	Unclear	Part Lost/Mi	issing	Wrong Stock Pulled
-	Cuffs			-	Contamination	\vdash	Mainte		<u> </u>	Part Moved		
-	Heat Trea		- 1	-	Countersink	\vdash	Mislabe		<u> </u>	Positioned V	_	1 ₋ .
-	Inspection		lube	⊢	Cut Too Short	\vdash	Misread	d	<u> </u>	Power Loss/	Surge	Other
-	Ripples in			-	Drill Holes	-	Offset					· · · · · · · · · · · · · · · · · · ·
	Torque W			'	Drawing	\vdash		Calibration				
Turning Sequence				Finish	1 1	Out of 9	Sequence					

Outside Dimensions

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID:

107311

Parent Item:

D4002-041

Parent Item Name:

Aux Tank Drain Hose Assy, Fwd

Start Date: 9/23/13

Required Date: 9/23/13

Page 1

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP rev A 10.01.21 new issue Prelim EC verified by:DD

Commences	MS29528-04 DD	verified by:EC											
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty		ate Stat sued	us
156001-3S-0185 Hose Assembly		Purchased	No			110	Each	0.0000	1	2	P13/12/	20	1013
AN894D4-3 Fitting		Purchased	No			121	Each	25.0000	1	2	13/1	121	Das _36
				Location		Loc Qty	<u>Lo</u>	oc Code			1	/ '	9 -89
-				ST325	603	5							
				ST505	075	20							
				125	445	20				2		, ,	DAS
MS29512-04 O-RING		Purchased	No			121	Each	7.0000	1	2	<u> 13 /</u>	1/2/	DAS 36 9-89
				Location		Loc Qty	<u>L</u> c	oc Code			/	/	
				ST309	445	7					M16	27306	
MS29528-4 Fuel Drain Valve		Purchased	No			121	Each	7.0000	1	2		11/2,	
!				Location		Loc Qty	<u>L</u> e	oc Code			/	,	\sim
				GA 125	485	7					MIZI	2061 (29)
D2182-045 Heat Shrink 4.5" Long		Manufactured	No		703	121	Each	0.0000	1	2	13/11	121	DAS 36 9-89
						,	_				/ /		

IPP rev B 10.11.03 added

B26009 Q

										DQA:	Date:	•
NCR: Yes	s / No				WORK ORDER NON-CONFORMANCE / UPDATE						Date:	
	***				DISPOSITION				AGAINST DE	QA Closed:		
Work Order:									- AGAINST DE		, i Nocess	
					Rework			Skid-tube	Crosstube		Water Jet	Engineering
Part No.					Scrap]		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
					Use-as-is		Thern	noforming	Finishing	Rec/Sto	re/Packaging	Other
NCR No.					Work Order Update	1		Large Fab	Composite		Supplier	
						-				2		
Root				Descri	ption of work order update		Initial	Ad	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Ch	nief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												
Operator	1		ļ			İ						
Material	1											
Setup	1									1		
Other	1	1										
Process		1										
Supplier	7	1										
Training	1.											
Unapproved	1										}	
		<u> </u>		•	F	AUL	LT CATE	GORY				
Landing	Gear				General			· · · · · · · · · · · · · · · · · · ·			·	

Centre Not Concentric to O/S BOM/Route Hardware Over/Under tolerance Temperature/Cure Broken/Damaged Cracks Inspection Incomplete Part Incorrect Weld Crushed/Crimped Wrong Stock Pulled Burrs Instructions Incomplete/Unclear Part Lost/Missing Cuffs Contamination Maintenance Part Moved Countersink Mislabeled Heat Treat Positioned Wrong Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Other Ripples in Bend Drill Holes Offset Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Wave/Twist in Tube Folio Outside Dimensions

Grain

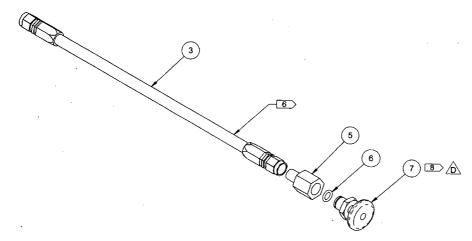
Ovalized

Pressure/Forced

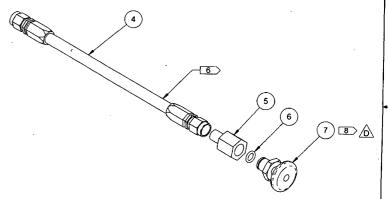
Bending

Bend

				6 5	4
ITEM NO.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X		D4002-041	AUX TANK DRAIN HOSE ASSEMBLY, FWD	JCA-M47-1-13
2		X	D4002-043	AUX TANK DRAIN HOSE ASSEMBLY, AFT	JCA-M47-1-16
		1			
. 3	1		D4002-1	HOSE ASSEMBLY	
4		1	D4002-3	HOSE ASSEMBLY	
5	1	1	AN894D4-3	FITTING	
6	1	1	MS29512-04	O RING	
7	1	1	CCB4320	FUEL DRAIN VALVE (MS29528-4)	







D4002-043 DRAIN HOSE - REAR



D	ADDED	NOTE 8		DC	11.10.06				
С	ADDED	8.00" TO D40	002-1/-3 HOSES; AFFECTED WEIGHT	MB	11.09.14				
В	CHANG	E LENGTH M	EASUREMENT FOR -3, ZN C2-2	HS	10.11.03				
Α	NEW IS	SUE		HS	10.03.01				
REV.			DESCRIPTION	BY DAT					
DESIG	<u> </u>	\$	DART AEROSPA	ACE I	TD				
DRAW	N	90	HAWKESBURY, ONTAR						
CHECK	ED	\$	DRAWING NO.		REV. D				
MFG. A	PPR.	图	D4002		SHEET 1 OF 2				
APPRO	VED	NG	TITLE		SCALE				
DE APF	PR.	-/	HOSE ASSEMBLY	HOSE ASSEMBLY					
DATE	11.1	0.06	COPYRIGHT © 2010 BY DART A THIS DOCUMENT IS PREVATE AND CONFIDENTIAL AND IS SUPPLIED MOT TO BE USED FOR ANY PURPOSE OR COPED OR COMMAND WATER PERMISSION FROM DART AIR	ATED TO ANY OTH	CONDITION THAT IT IS				

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
7) WEIGHT: D4002-041 - 0.21 lbs
1 D4002-043 - 0.20 lbs
8) DRAIN VALVE MAY NOT APPEAR EXACTLY AS PICTURED

2



0001243297

CUSTOMER P.O.: PO21526

PACKING LIST



No DE EXPEDITEUR

PAGE:

DATE: 10/04/13

EXTENDED

CUSTOMER PRIC

263.60

TIME/HEURE: 08:58

EMP#: 23370 ORDER TYPE / TYPE DE COMMANDE: RG

CURRENCY: USD

CUSTOMER PRICE

131.8000

FED Plam - COLLECT **EXPEDIER PAR**

> O D ME

> > LIST PRICE

131.80

MOU

0 EA

DATE DE COMMANDE 10/01/1 032027

> DART AEROSPACE LTD 1270 ABERDEEN STREET

HAWKESBURY

ON K6A 1K7

357632

CANADA

MFG

LINE

BON DE COMMANDE

ORDER NUMBER:

No DE COMMANDE

DART AEROSPACE LTD 1270 ABERDEEN STREET

HAWKESBURY

ON K6A 1K7

BACK ORDER COMM. EN SOUF

CANADA

0

34170 AVIALL TORONTO CSC 1840 ALSTEP DR. UNIT 5. MISSISSAUGA ON LSS 1W1 CANADA R

DESCRIPTION PLEASE SHIP FEDEX P1 ON CUSTOMER ACCOUNT NUMBER 1517-9324-0, AWB# MUST REFERENCE

THE PURCHASE ORDER NUMBER, SHIP TO THE ATTN OF CHANTAL 613-632-9577

***HOSE 193-8 ONE CONTINUOUS LENGTH.

156001-3S0185

HOSE: MED PRESSURE, RUBBER

REIN ST, REF:

Schedule B. 4009.22.0050

ECCN: 9A991.d

LOT 51256181 EΑ

Country of Origin: U.S.A.

Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43.

PARTS TOTAL	263.60
AOC TOTAL	0.00
TAXES	34.27
FREIGHT	0.00

CERTIFICATE OF CONFORMANCE / CERTIFICAT DE CONFORMITE

reby certify that the aircraft parts, appliances and/or aircraft materials described hereon were acquired from a source of supply that is consistent with the conditions under which department of transport distributor approval number 35-86 has been granted.

certifie par la presente que les pieces appareils et/ou materiaux d'avions decrits ci-dessus ont ete acquis d'une source d'approvisionnement consistante avec les conditions sous quelles l'approbation du distributeur du department du transport no. 35-86 ont ete recue. ---10/04/13

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ESCOMPTE APPLIQUES SUR SOUS TOTAL SEULEMENT. ALL RETURNED MERCHANDISE SUBJECT TO A HANDLING FEE. FRAIS DE MANUTENTION APPLIQUES SUR TOUTE MARCHANDISE

CUSTOMER COPY / FILE COPY

G.S.T.REG.NO.R121506208

Rick Rantz, Manager



PACKING LIST



No DE EXPEDITEUR

SHIP VIA:

EXPEDIER PAR

PAGE:

DATE: 10/04/13

TIME/HEURE: 08:58

EMP#: 23370

ORDER TYPE / TYPE DE COMMANDE: RG

CURRENCY: USD

ORDER NUMBER: 0001243297-No DE COMMANDE ORDER DATE: 10/01/13

032027

DART AEROSPACE LTD

CUSTOMER P.O.: PO21526

1270 ABERDEEN STREET

HAWKESBURY

ON K6A 1K7

357632

CANADA

0

SE DART AEROSPACE LTD 1270 ABERDEEN STREET

HAWKESBURY

CANADA

0

ON K6A 1K7

SE 34170 AVIALL TORONTO CSC

1840 ALSTEP DR. UNIT 5.

MISSISSAUGA CANADA

FED P1AM - COLLECT

ON L5S 1W1

R

O D ΜE

LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY QUANTITE COMMANDE	SHIP QUANTITY QUANTITE EXPEDIEE	BACK ORDER COMM. EN SOUF	MOU	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE

FUEL SURCHARGE

0.00

ESTIMATED TOTAL

297.87

Currency: United States Dollar

CERTIFICATE OF CONFORMANCE / CERTIFICAT DE CONFORMITE

I hereby certify that the aircraft parts, appliances and/or aircraft materials described hereon were acquired from a source of supply that is consistent with the conditions under which the department of transport distributor approval number 35-86 has been granted. Je certifie par la presente que les pieces appareils et/ou materiaux d'avions decrits ci-dessus ont ete acquis d'une source d'approvisionnement consistante avec les conditions sous lesquelles l'approbation du distributeur du department du transport no. 35-86 ont ete recue. ---

G.S.T.REG.NO.R121506208

Signed -Rick Rantz, Manager

10/04/13

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL.
ESCOMPTE APPLIQUES SUR SOUS TOTAL SEULEMENT.
ALL RETURNED MERCHANDISE SUBJECT TO A HANDLING FEE.
FRAIS DE MANUTENTION APPLIQUES SUR TOUTE MARCHANDISE RETOURNEE.

CUSTOMER COPY / FILE COPY